

Board of Electricity Biennial Report

Prepared in Accordance with
Minnesota Statutes Section 214.07

Reporting Period:

July 1, 2002 through June 30, 2004

Statutory Authority:

Minnesota Statutes Sections 326.01 and 326.241 through 326.248

Submitted by:

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State Board of Electricity
1821 University Avenue
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Date: October 1, 2004

Copies submitted to:

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Board of Electricity Biennial Report for Fiscal Year 2003 and Fiscal Year 2004

Clause (a) of Minnesota Statutes Section 214.07:

General Statement of Board Activities

The Board of Electricity administers Minnesota statutes and rules governing licensing of electricians, electrical contractors, and technology system contractors and inspection of new electrical installations for safety to life and property as set forth in the Minnesota Electrical Act, Minnesota Statutes sections 326.01 and 326.241 through 326.248, and Minnesota Rules Chapter 3800.

The Board examines qualified applicants and licenses those who pass the Board's examination, which assures licensees have the knowledge and skills to provide safe electrical installations. It also licenses electrical contractors and technology system contractors, who are required to hold a bond and liability insurance to indemnify their clients against defective installations. Companies licensed as contractors by the Board are required to be, or employ, a licensed master electrician or power limited technician to ensure that work is performed in compliance with appropriate safety standards and applicable licensing and inspection laws. The Board takes appropriate action to prevent unlicensed persons from performing electrical work, and disciplines licensees or revokes or suspends licenses as necessary to prevent incompetent, fraudulent, deceptive or dishonest practices in connection with electrical installations.

Except in cities that have their own electrical inspection service as authorized by section 326.244, and with certain other exceptions as stated in that section, the Board inspects all new electrical installations for compliance with nationally recognized standards for safety to life and property, as required by sections 326.243 and 326.244. The Board inspects existing installations upon demand of tenants or neighborhood organizations as required by section 566.19. It takes appropriate action to have unsafe installations brought into compliance with the safety standards.

The Board provides clients with information concerning safety standards and licensing requirements by means of newsletters, booklets covering code changes, meetings, seminars, and personal consultation by phone, fax, or mail. The Board has also developed a web-site to further provide information to clients at their convenience. The Internet address is www.electricity.state.mn.us. Clients include electrical contractors, technology system contractors, electricians, technicians, engineers, electrical utilities, city electrical inspectors, building officials and other city officials, other state agencies, property owners, and tenants of rental property.

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Clause (b) of Minnesota Statutes Section 214.07:

Number of Meetings and Board Member Hours for Meetings and Other Board Activities

Number of Board Meetings Held: FY 2003:12 FY 2004:12 Biennium: 24

Hours Spent by Board Members in Meetings and on Other Board Activities				
Board Member Member Group	Type of Meeting	Fiscal Year 2003	Fiscal Year 2004	Total
Steven Billings Public Member	Regular	23.25	0	23.25
	Complaint Committee	13.0	0	13.0
Jay Cain Engineer Member	Regular	23.25	34	57.25
	Executive Committee	0	4.5	4.5
	Technical Committee	0	2.0	2.0
	Technical Program Committee	0	1.5	1.5
M. George Downs Public Member	Regular	23.25	31.5	54.75
	Technical Program Committee	0	0	0
William Hoskins Journeyman Member	Regular	0	2.5	2.5
Daniel Klein Journeyman Member	Regular	0	9.0	9.0
	Complaint Committee	0	2.0	2.0
Richard Luck Power Limited Technician/Technology System Contractor	Regular	14.25	24.25	38.5
	Technical Committee	0	2.0	2.0
Lori Marker Public Member	Regular	0	9.75	9.75
	Technical Program Committee	0	1.5	1.5
Timothy Mergen Electric Utility Member	Regular	21.75	31.75	53.5
	Executive Committee	3.0	4.5	7.5
	Technical Committee	0	0	0
	Technical Program Committee	0	0	0

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Number of Meetings and Board Member Hours for Meetings and Other Board Activities, continued

Board Member Member Group	Type of Meeting	Fiscal Year 2003	Fiscal Year 2004	Total
Gary Novak Master Electrician/Electrical Contractor	Regular	23.25	33.5	56.75
	Executive Committee	0	4.5	4.5
	Complaint Committee	13.0	9.0	22.0
Richard Ramberg Journeyman Member	Regular	23.25	31.5	54.75
	Executive Committee	0	0	0
	Complaint Committee	0	9.0	9.0
	Technical Committee	0	0	0
Charles Riesen Electric Utility Member	Regular	23.25	34.0	57.25
	Executive Committee	3.0	0	3.0
	Technical Program Committee	0	1.5	1.5
Thomas Seanger Master Electrician/Electrical Contractor Member	Regular	23.25	22.75	46.0
	Executive Committee	3.0	4.5	7.5
	Technical Committee	0	0	0
Richard Smith Power Limited Technician/Technology System Contractor Member	Regular	22.0	32.75	54.75
	Complaint Committee	0	11.0	11.0
	Technical Committee	0	2.0	2.0
Judy Stephenson Public Member	Regular	0	2.0	2.0
Anthony Toft Journeyman Member	Regular	23.25	0	23.25
	Executive Committee	3.0	0	3.0
	Complaint Committee	13.0	0	13.0
	Technical Program Committee	0	0	0
Totals		295	358.75	653.75

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Clause (c) of Minnesota Statutes Section 214.07:

Receipts and Disbursements of Board Funds

Receipts and Disbursements from the Special Revenue Fund in Thousands of Dollars		
Type of Transaction	FY 2003	FY 2004
Balance Forwarded from Previous Year	5,055	5,514
Dedicated Fee Receipts	10,007	10,044
Less: Disbursements	9,548	10,113
Balance Transferred to Following Year	5,514	5,445
Breakdown by Type of Receipt Transferred to Following Year		
Inspection Fee Escrow for Inspections to be Completed	4,884	4,704
Administrative Fund Carry Forward	630	741
Balance Forwarded to Following Year	5,514	5,445

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Clause (d) of Minnesota Statutes Section 214.07:

Names, Addresses, Occupations, and Appointment Dates of Board Members

Number of Board members required by statute: 11
Statutory length of term in years: 4

<u>Board Member</u>	<u>Occupation/Member Group</u>	<u>Appointment(s)</u>
Steven Billings 5215 Lincoln Street Northeast Fridley, MN 55421	Public Member	2/2/2001 - 1/6/2003
Jay J. Cain 13920 North 40 th Street Stillwater, MN 55082	Electrical Engineer	2/22/2002 - 1/2/2006
M. George Downs 431 S. 93rd Avenue West Duluth, MN 55808	Public Member	6/8/1979 - 1/1983 5/20/1992 - 1/1996 2/13/1996 - 1/2000 6/23/2000 - 1/5/2004
William Hoskins 220 North Sunnyside Drive Caledonia, MN 55921	Journeyman Electrician	3/17/2004 - 1/7/2008
Daniel Klein 11323 Hubert Lane Cold Spring, MN 55320	Journeyman Electrician	7/2/2003 - 1/1/2007
Richard Luck 18 West Owatonna Street Duluth, MN 55803	Technology System Contractor	3/9/1994 - 1/1998 3/21/1998 - 1/2002 2/22/2002 - 1/2/2006
Lori Marker 917 21 st Avenue SE Minneapolis, MN 55414	Public Member	7/2/2003 - 1/1/2007
Timothy Mergen 828 E 7 th Street Litchfield, MN 55355	Rural Power Supplier	6/30/2000 - 1/5/2004 3/17/2004 - 1/7/2008
Gary Novak 6204 Comstock Lane North Maple Grove, MN 55311	Master Electrician/Electrical Contractor	2/22/2002 - 1/2/2006

Names, Addresses, Occupations, and Appointment Dates of Board Members, continued

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<u>Board Member</u>	<u>Occupation/Member Group</u>	<u>Appointment(s)</u>
Richard Ramberg 4247 - 45 th Avenue South Minneapolis, MN 55406	Journeyman Electrician	6/30/2000 - 1/5/2004
Charles Reisen Rt. 1, Box 109 Viking, MN 56760	Rural Power Supplier	6/14/1997 - 1/2001 2/9/2001 - 1/3/2005
Thomas Seanger 44193 Birchwood Road Melrose, MN 56352	Master Electrician/Electrical Contractor	6/7/1999 - 1/6/2003 7/2/2003 - 1/1/2007
Richard Smith 10531 Morgan Avenue South Bloomington, MN 55431	Technology System Contractor	2/22/2002 - 1/2/2006
Judy Stephenson 1901 Bloom Court Hugo, MN 55038	Public Member	3/17/2004 - 1/7/2008
Anthony Toft 7139 County Rd 3 SW Byron, MN 55920	Journeyman Electrician	6/7/1999 - 1/6/2003

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Clause (e) of Minnesota Statutes Section 214.07:

Names and Job Classifications of Board Employees

Name	Job Classification	Class Code	FT	PT	Service Dates
Allmann, James	Information Tech. Specialist 4	3586	X		1/2004- present
Baber, Joseph D	Elec. Area Representative	0976	X		2/1999 - present
Buck, Michael	State Program Admin. Supv. Prin.	3712	X		3/2004- present
Crumrine, Nancy	Office & Admin. Specialist	3627	X		4/2003 - 2/2004
Gnotke, Ronald	Elec. Area Representative	0976	X		12/1993 - present
Hartman, Susan	Office & Admin. Specialist	3627	X		8/2001 - present
Ignatowicz, Martin A	Elec. Area Representative	0976	X		5/1998 - present
Johnson, Patricia M	Office & Admin. Specialist	3627	X		4/1988 - present
Karwoski, Linda	Office & Admin. Specialist, Sr.	3629	X		3/2004- present
Klejewski, Julie A	Office & Admin. Specialist, Prin.	3630	X		5/1990 - present
Kumm, Marty L	Elec. Area Representative	0976	X		3/1997 - present
Larson, Karen E	Office & Admin. Specialist	3627	X		8/1992 - present
Liang, Lana	Account Clerk	0001	X		9/2001 - 4/2004
Livingston, Michael	Elec. Area Representative	0976	X		1/2001 - present
Loss, Gregory	Office & Admin. Specialist	3627	X		1/1989 - present
McWethy, Christopher	Office & Admin. Specialist	3627	X		3/2003 - 10/2003
Merilatt, Jill	Office & Admin. Specialist	3627	X		10/2003 - 10/2004
Mitchell, Janet	Accounting Officer	0004	X		8/2000 - present
Monson, Sheldon	Elec. Area Representative	0976	X		1/2001 - present
Nemeth, Dale	Elec. Area Representative	0976	X		4/1994 - present
Nemeth, Donald	Elec. Area Representative	0976	X		4/1991 - present
Ng, Cynthia	Office & Admin. Specialist, Int.	3628	X		6/2004 - present
Peterson, Gail	Office Services Supv. 2	2118	X		1/2002 - present
Petsch, Yvonne	Office & Admin. Specialist	3627	X		4/2003 - 4/2004
Rickey, Cynthia M	Office & Admin. Specialist	3627	X		5/1960 - present
Sampson, Malinda J	Elec. Area Representative	0976	X		2/1996 - present
Schultz, John A	Executive Secretary	8133	X		7/1989 - present
Simbeck, Diane M	Office & Admin. Specialist	3627	X		1/1996 - present
Sunde, Paul C	Elec. Area Representative	0976	X		9/1997 - present
Synsteliien, Harold	Electrical Examiner	0775	X		3/1978 – 1/2004
Theisen, Michael H	Elec. Area Representative	0976	X		3/1996 - present
Vanderberg, James	Elec. Area Representative	0976	X		3/1994 - present
Williamson, John I	Asst. Executive Secretary	1666	X		6/1994 - present
Woodard, Edna	Office & Admin. Specialist	3627		X	4/2003 – 11/2003
Woodhouse, Mary R	Office & Admin. Specialist	3627	X		1/2000 - present

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Clause (f) of Minnesota Statutes 214.07:

Brief Summary of Minnesota Rules Proposed or Adopted by the Board

Fiscal Year 2003

The Board published a Request for Comments regarding proposed amendment to Minnesota Rules Chapter 3800 related to power limited technicians and technology system contractors. The Board subsequently appointed an advisory task force to advise the Board on specific requirements for power limited technician applicants.

Fiscal Year 2004

The Board published a second Request for Comments regarding proposed amendments to Minnesota Rules Chapter 3800 related to power limited technicians and technology system contractors. The Board anticipates final adoption of proposed amendments to occur before the end of calendar year 2004.

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Clause (g) of Minnesota Statutes Section 214.07:

Number of Persons Having Each Type of License Issued by the Board as of June 30, 2004

Personal Licenses					
Class of License	Fiscal Year 2003		Fiscal Year 2004		Total
	New	Renewed	New	Renewed	
Class A Journeyman	624	3826	570	5252	10272
Class A Master	243	5287	236	392	6158
Class B Journeyman	0	10	0	21	31
Class B Master	0	53	0	3	56
Elevator Constructor	56	170	28	200	454
Master Elevator Constructor	3	45	2	3	53
Class A Installer	0	2	0	0	2
Class B Installer	1	5	2	9	17
Lineman	1	46	4	62	113
Maintenance	6	127	9	171	313
Power Limited Technician	6497	0	3832	0	10329
Totals	7431	9571	4683	6113	27798

Business Licenses					
Class of License	Fiscal Year 2003		Fiscal Year 2004		*Totals
	New	Renewed	New	Renewed	
Class A Electrical Contractor	194	24	312	2393	2923
Class B Electrical Contractor	1	0	1	26	28
Elevator Contractor	1	0	0	13	14
Technology System Contractor	198	0	845	0	1043
Totals	394	24	1158	2432	4008

*Totals may not accurately reflect total licenses in effect at the end of the biennium because license terms may not coincide with the fiscal year(s).

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Number of Persons Having Each Type of License Issued by the Board as of June 30, 2004, continued

Business Licenses by Business Type							
Type	Individual	Partnership	Limited partnership	Limited company	Minnesota Corporation	Foreign Corporation	Totals
Class A Electrical Contractor	874	50	15	147	1249	155	2490
Class B Electrical Contractor	24	0	0	0	3	0	27
Elevator Electrical Contractor	0	0	0	0	9	4	13
Technology System Contractor*							1043
Totals	898	50	15	147	1261	159	3573

* The data related to business type for technology system contractors was not available at the time the report was completed.

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Clause (h) of Minnesota Statutes Section 214.07:

Locations and Dates of Examinations Administered by the Board

Except as noted, examinations were conducted for all types of licenses at the Griggs-Midway Building, 1821 University Avenue, Saint Paul on the following dates:

Examinations Administered in Fiscal Years 2003 and 2004	
Fiscal Year 2003	Fiscal Year 2004
July 10, 11, 24, 25, Griggs-Midway	July 1, 2, 3, 8, 9, 10, 15, 16, 17, 22, 23, 24, 29, 30, 31, Griggs-Midway 11, Fargo
August 14, 15, 28, 29, Griggs-Midway	August 5, 6, 7, 12, 13, 14, 19, 20, 21, 25, 26, 27, 28, Griggs-Midway 20, 21, Duluth 22, Brainerd 23, Moorhead
September 11, 12, 25, 26, Griggs-Midway	September 2, 3, 5, 8, 9, 10, 11, 12, 15, 16, 17, 18, 19, 22, 23, 24, 25, 26, 29, 30, Griggs-Midway 4, 6, 13, 23, Rochester 18, 24, Jackson 20, Owatonna 27, Saint Cloud
October 9, 10, Griggs-Midway 16, Detroit Lakes	October 14, 15, 16, 30, Griggs-Midway 22, Detroit Lakes
November 13, 14, Griggs-Midway	November 11, 12, 13, 25, 26, Griggs-Midway
December 11, 12, Griggs-Midway	December 9, 10, 11, 17, 18, Griggs-Midway
January 15, 16, 22, 23, 29, 30, Griggs-Midway 7, Minneapolis 21, Bloomington	January 7, 14, 21, 28, Griggs-Midway
February 11, 12, 13, 19, 20, 26, 27, Griggs-Midway 4, 6, 7, Roseville	February 4, 11, 18, 25, Griggs-Midway

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Locations and Dates of Examinations Administered by the Board, continued

Fiscal Year 2003	Fiscal Year 2004
March 4, 6, 11, 12, 13, 14, 18, 19, 20, 21, 25, 26, 27, 28, Griggs- Midway 1, Wadena 4, 5, 7, 10, 11, 12, 13, 14, 18, 25, 26, 27, 28 Metro State 8, 22, 24, U of M 15, Duluth 17, Bemidji 19, Plymouth 20, Alexandria 21, Rochester 29, Bloomington 31, Brainerd	March 3, 10, 17, 24, 31, Griggs-Midway
April 1, 2, 4, 9, 10, 11, 15, 16, 17, 22, 23, 25, 29, 30, Griggs-Midway 1, 2, 3, 4, 9, 10, 11, 15, 16, 17, 22, 23, 25, 29, Metro State 3, Mille Lacs 3, Hinkley 5, Fargo 7, Brainerd 8, 14, 24, U of M 12, Mankato 18, 19, 21, River Center 26, Dunwoody 28, Duluth	April 7, 14, 21, 28, Griggs-Midway
May 2, 6, 7, 8, 13, 14, 15, 19, 20, 23, 27, 28, 29, Griggs-Midway	May 5, 12, 19, 26, Griggs-Midway
June 3, 4, 6, 10, 11, 12, 17, 18, 19, 24, 25, 26, Griggs-Midway 23, 30, Brainerd	June 2, 9, 16, 23, 30, Griggs-Midway

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Clauses (i), (j), and (k) of Minnesota Statutes 214.07:

Number of Persons Examined and Licensed or Denied Licenses, by Categories

The Board examined a total of 8,391 applicants in Fiscal Year 2003, 6,905 (82%) passed and 1,486 (18%) failed

The Board examined a total of 5,184 applicants in Fiscal Year 2004, 3,813 (74%) passed and 1,371 (26%) failed

The Board examined a total of 13,575 applicants in the Biennium, 10,718 (79%) passed and 2,857 (21%) failed

By comparison, the Board examined a total of 3,792 applicants in the previous Biennium. The increase was primarily in the alarm and communication/power limited technician category due to the creation of the new power limited technician license by the 2002 Legislature.

Pages 15 through 31 contain tables related to the following examination categories:

Class A Master Electrician	Class A Journeyman Electrician	Maintenance Electrician	Master Elevator Constructor	Elevator Constructor
Alarm and Communication	Power Limited Technician	Class A Installer	Class B Installer	Lineman

Age	Class A Master Electrician – Minnesota Residents																		
	Fiscal Year 2003						Fiscal Year 2004						Biennium						
	Examined		Passed		Failed		Examined		Passed		Failed		Examined		Passed		Failed		
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
To 18																			
18 – 25	46	1	31	15	1		59	27	32			105	1	58	1	47			1
26 – 34	153	2	74	79	1		201	92	109	1		354	3	166	2	188			1
35 – 59	149		73	76			226	90	136	4		375	5	163	1	212			4
60 – 65							2		2			2				2			
65 +																			
Total	348	3	178	170	2		488	209	279	4		836	9	387	3	449			6
Total M/F	351		179	172			494	211	283			845		390		455			
Passed/Failed	51% pass / 49% fail						43% pass / 57% fail						46% pass / 54% fail						

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Number of Persons Examined and Licensed or Denied Licenses, by Categories, continued

Age	Class A Master Electrician – Non-Residents													
	Fiscal Year 2003						Fiscal Year 2004							
	Examined		Passed		Failed		Examined		Passed		Failed			
	M	F	M	F	M	F	M	F	M	F	M	F		
To 18														
18 – 25	2		2				4	1		3		3		
26 – 34	5		3		2		8	4		4		6		
35 – 59	15		6		9		7	3		4		13		
60 – 65	1				1							1		
65 +														
Total	23		11		12		19	8		11		9		
Total M/F	23		11		12		19	8		11		23		
Passed/Failed	48% pass / 52% fail						42% pass / 58% fail						45% pass / 55% fail	

State	Class A Master Electrician – Non-Residents by State											
	Fiscal Year 2003						Fiscal Year 2004					
	Examined		Passed		Failed		Examined		Passed		Failed	
	M	F	M	F	M	F	M	F	M	F	M	F
CO	1				1							1
IA	1				1		1			1		2
MI	2		2				2	1		1		3
MT	1				1							1
ND	1		1				4	3		1		4
OK	1				1							1
SD	1				1							1
WI	14		7		7		12	4		8		15
WV	1											1
Total M/F	23		11		12		19	8		11		23
Total	23		11		12		19	8		11		23

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Number of Persons Examined and Licensed or Denied Licenses, by Categories, continued

Age	Class A Journeyman Electrician – Minnesota Residents																	
	Fiscal Year 2003						Fiscal Year 2004											
	Examined		Passed		Failed		Examined		Passed		Failed							
	M	F	M	F	M	F	M	F	M	F	M	F						
To 18																		
18 – 25	308	7	207	4	101	3	285	2	169	116	2	593	9	376	4	217	5	
26 – 34	352	2	222	2	130		350	3	205	145		702	5	427	5	275		
35 – 59	208	2	107	2	101		198	5	86	112	3	406	7	193	4	213	3	
60 – 65	4				4							4				4		
65 +																		
Total	872	11	536	8	336	3	833	10	460	373	5	1705	21	996	13	709	8	
Total M/F	883		544		339		843		465	378		1726		1009		717		
Passed/Failed	62% passed / 38% failed						55% passed / 45% failed						58% passed / 42% failed					

Age	Class A Journeyman – Non-Residents																	
	Fiscal Year 2003						Fiscal Year 2004											
	Examined		Passed		Failed		Examined		Passed		Failed							
	M	F	M	F	M	F	M	F	M	F	M	F						
To 18																		
18 – 25	17		7		10		16		7	9		33		14		19		
26 – 34	30		16		14		20		9	11		50		25		25		
35 – 59	12		7		5		9		3	6		21		10		11		
60 – 65																		
65 +																		
Total	59		30		29		45		19	26		104		49		55		
Total M/F	59		30		29		45		19	26		104		49		55		
Passed/Failed	51% passed / 49% failed						42% passed / 58% failed						47% passed / 53% failed					

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Age	Elevator Constructor																	
	Fiscal Year 2003						Fiscal Year 2004											
	Examined		Passed		Failed		Examined		Passed		Failed							
	M	F	M	F	M	F	M	F	M	F	M	F						
To 18																		
18 – 25	5		3		2		5		5		8	2						
26 – 34	23		18		5		13		13		31	5						
35 – 59	34		28		6		12		9		37	9						
60 – 65																		
65 +																		
Total	62		49		13		30		27		76	16						
Total M/F	62		49		13		30		27		76	16						
Passed/Failed	79% passed / 21% failed						90% passed / 10% failed						83% passed / 17% failed					

State	Elevator Constructor – Non-Residents by State																	
	Fiscal Year 2003						Fiscal Year 2004											
	Examined		Passed		Failed		Examined		Passed		Failed							
	M	F	M	F	M	F	M	F	M	F	M	F						
ND	3		1		2		8		5		3							
WI	3		2		1		1		1		3							
Total	6		3		3		9		6		9							
Total M/F	6		3		3		9		6		9							
Passed/Failed	50% passed / 50% failed						67% passed / 33% failed						60% passed / 40% failed					

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Number of Persons Examined and Licensed or Denied Licenses, by Categories, continued

Maintenance Electrician – Minnesota Residents																		
Age	Fiscal Year 2003						Fiscal Year 2004						Biennium					
	Examined		Passed		Failed		Examined		Passed		Failed		Examined		Passed		Failed	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
To 18																		
18 – 25							3					3						3
26 – 34	1				1		3					3						1
35 – 59	17		4		13		16					4						25
60 – 65																		
65 +																		
Total	18		4		14		22				7		15			11		29
Total M/F	18		4		14		22				7		15			11		29
Passed/Failed	22% passed / 78% failed						32% passed / 68% failed						28% passed / 72% failed					

Maintenance Electrician – Non-Residents by State																		
State	Fiscal Year 2003						Fiscal Year 2004						Biennium					
	Examined		Passed		Failed		Examined		Passed		Failed		Examined		Passed		Failed	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
WI	1		1				1		1							2		
Total	1		1				1		1							2		
Total M/F	1		1				1		1							2		
Passed/Failed	100% passed						100% passed						100% passed					

Board of Electricity Biennial Report for Fiscal Year 2003 and Fiscal Year 2004

Number of Persons Examined and Licensed or Denied Licenses, by Categories, continued

Age	Class A Installer – Minnesota Residents													
	Fiscal Year 2003						Fiscal Year 2004							
	Examined		Passed		Failed		Examined		Passed		Failed			
	M	F	M	F	M	F	M	F	M	F	M	F		
To 18														
18 – 25	2		1		1								1	
26 – 34														
35 – 59														
60 – 65														
65 +														
Total	2		1		1							2	1	1
Total M/F	2		1		1							2	1	1
Passed/Failed	50% passed / 50% failed												50% passed / 50% failed	

Age	Class B Installer – Minnesota Residents													
	Fiscal Year 2003						Fiscal Year 2004							
	Examined		Passed		Failed		Examined		Passed		Failed			
	M	F	M	F	M	F	M	F	M	F	M	F		
To 18														
18 – 25	1		1									1		
26 – 34														
35 – 59														
60 – 65														
65 +														
Total	1		1									1	1	
Total M/F	1		1									1	1	
Passed/Failed	100% passed												100% passed	

Board of Electricity Biennial Report for Fiscal Year 2003 and Fiscal Year 2004

Number of Persons Examined and Licensed or Denied Licenses, by Categories, continued

Age	Lineman – Minnesota Residents																	
	Fiscal Year 2003						Fiscal Year 2004											
	Examined		Passed		Failed		Examined		Passed		Failed							
	M	F	M	F	M	F	M	F	M	F	M	F						
To 18																		
18 – 25																		
26 – 34	1		1				2			2					3		2	
35 – 59					4		1								1			
60 – 65					1		1											
65 +																		
Total	1		1		5		3			2				6	4		2	
Total M/F	1		1		5		3			2				6	4		2	
Passed/Failed	100% passed						60% passed / 40% failed						67% passed / 33% failed					

Board of Electricity Biennial Report for Fiscal Year 2003 and Fiscal Year 2004

Number of Persons Examined and Licensed or Denied Licenses, by Categories, continued

Age	Alarm and Communication – Minnesota Residents																				
	Fiscal Year 2003							Fiscal Year 2004													
	Examined		Passed		Failed		Examined		Passed		Failed		Examined		Passed		Failed				
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F			
To 18	56		40		16		17		12		5		73		52		21				
18 – 25	963	15	790	14	173	1	390	9	302	8	88	1	1353	24	1092	22	261	2			
26 – 34	1548	51	1375	47	173	4	762	20	639	16	123	4	2310	71	2014	63	296	8			
35 – 59	3831	90	3380	79	451	11	2144	103	1789	95	355	8	5975	193	5169	174	806	19			
60 – 65	73	2	53	2	20		48	1	34	1	14		121	3	87	3	34				
65 +	3		1		2		2				2		5		1		4				
Total	6474	158	5639	142	835	16	3363	133	2776	120	587	13	9837	291	8415	262	1422	29			
Total M/F	6632		5781		851		3496		2896		600		10128		8677		1451				
Passed/Failed	87% passed / 13% failed							83% passed / 17% failed							86% passed / 14% failed						

Age	Alarm and Communication – Non-Residents																				
	Fiscal Year 2003							Fiscal Year 2004													
	Examined		Passed		Failed		Examined		Passed		Failed		Examined		Passed		Failed				
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F			
To 18	1				1								1				1				
18 – 25	68		58		10								68		58		10				
26 – 34	128		116		12		40		40				168		156		12				
35 – 59	145		118		27		48		48				193		166		27				
60 – 65	7		5		2		78		78				85		83		2				
65 +	1		1										1		1						
Total	350		298		52		166		166				516		464		52				
Total M/F	350		298		52		166		166				516		464		52				
Passed/Failed	85% passed / 15 % failed							100% passed							90% passed / 10% failed						

Board of Electricity Biennial Report for Fiscal Year 2003 and Fiscal Year 2004

Number of Persons Examined and Licensed or Denied Licenses, by Categories, continued

State	Alarm and Communication – Non-Residents by State																	
	Fiscal Year 2003						Fiscal Year 2004											
	Examined		Passed		Failed		Examined		Passed		Failed							
	M	F	M	F	M	F	M	F	M	F	M	F						
AL	1		1															
CANADA	1				1													
IA	7		6		1					1								
IL	3				3													
IN	1		1															
MI	1				1													
MO	6		5		1													
ND	198		175		23				63		16							
NE	2							79										
OK	1		1															
SD	13		7		6			5		4								
WI	190		170		20			98		85								
WY	1		1															
Total	425		369		56			190		159								
Total M/F	425		369		56			190		159								
Passed/Failed	87% passed / 13% failed						84% passed / 16% failed						86% passed / 14% failed					

Board of Electricity Biennial Report for Fiscal Year 2003 and Fiscal Year 2004

Number of Persons Examined and Licensed or Denied Licenses, by Categories, continued

Age	Power Limited Technician – Minnesota Residents																	
	Fiscal Year 2003						Fiscal Year 2004											
	Examined		Passed		Failed		Examined		Passed		Failed							
	M	F	M	F	M	F	M	F	M	F	M	F						
To 18																		
18 – 25							5					5						
26 – 34							13	1			1	12						
35 – 59							29	1			1	29						
60 – 65																		
65 +																		
Total							47	1			46	1						
Total M/F							48	1			47	1						
Passed/Failed							2% passed / 98% failed						2% passed / 98% failed					

Age	Power Limited Technician – Non-Residents																	
	Fiscal Year 2003						Fiscal Year 2004											
	Examined		Passed		Failed		Examined		Passed		Failed							
	M	F	M	F	M	F	M	F	M	F	M	F						
To 18																		
18 – 25																		
26 – 34							1				1	1						
35 – 59							2				2	2						
60 – 65																		
65 +																		
Total							3				3	3						
Total M/F							3				3	3						
Passed/Failed							100% failed						100% failed					

Board of Electricity Biennial Report for Fiscal Year 2003 and Fiscal Year 2004

Number of Persons Examined and Licensed or Denied Licenses, by Categories, continued

Power Limited Technician – Non-Residents by State																			
State	Fiscal Year 2003						Fiscal Year 2004						Biennium						
	Examined		Passed		Failed		Examined		Passed		Failed		Examined		Passed		Failed		
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
ND								1				1						1	
VA								1				1						1	
Total								1				1						1	
Total M/F								1				1						1	

Clause (I) of Minnesota Statutes Section 214.07:

Number of Persons Not Taking Examinations Referred to in Clause (h) Who were Licensed or Denied Licenses, With Reasons for Licensing or Denial, by Categories of Age, Sex, and State of Residence

The Board has reciprocal licensing agreements with the States of Nebraska, North Dakota, and South Dakota for Class A Master licenses. The Board has reciprocal agreements with the states of Alaska, Washington, *Oregon, Idaho, Utah, Montana, Wyoming, Colorado, North Dakota, South Dakota, and Nebraska for Class A Journeyman licenses.

*The agreement with Oregon was rescinded during Fiscal Year 2003.

The agreements in place require that (1) the license in the other state was obtained by examination; (2) the license is currently in effect and has been in effect for at least one year; and (3) the applicant has not previously failed the Board's examination for the class of license sought. Applicants denied license generally do not meet one or more of these conditions.

The Board does not issue licenses for which an examination is required without the applicant taking the examination, with the exception of applicants that meet the requirements of a reciprocal agreement. Applicants who apply for licensing under a reciprocal agreement are licensed without examination if they meet the requirements of the agreement. Applicants who do not conform to the requirements of the agreements stated above are denied licenses. The following tables summarize licenses issued or denied to applicants from other states.

Class A Master Electrician – Reciprocal Agreement													
Age	Sex	Fiscal Year 2003						Fiscal Year 2004					
		Granted			Denied			Granted			Denied		
State		ND	NE	SD	ND	NE	SD	ND	NE	SD	ND	NE	SD
To 18	M												
	F												
18 - 25	M												
	F												
26 – 34	M	8	1					4	1	1		1	
	F												
35 – 59	M	6	8	5			1	10	4	2	1		
	F												
60 – 65	M												
	F												
65 +	M												
	F												
Totals by State		14	9	5			1	14	5	3	1	1	
Total all States		28			1			22			2		
Total applicants		29						24					
Biennium Total		53											

Board of Electricity Biennial Report for Fiscal Year 2003 and Fiscal Year 2004

Number of Persons Not Taking Examinations Referred to in Clause (h) Who were Licensed or Denied Licenses, With Reasons for Licensing or Denial, by Categories of Age, Sex, and State of Residence, continued

		Class A Journeyman – Reciprocal Agreement - Fiscal Year 2004																				
Age State	Sex	Granted								Denied												
		AL	CO	MT	ND	NE	SD	UT	WA	WY	AL	CO	MT	ND	NE	SD	UT	WA	WY			
To 18	M																					
	F																					
18 -25	M		2		7		3															
	F																					
26 - 34	M		3		17		17					1										
	F																					
35 - 59	M	1	6		8	1	17					3	1							1		
	F																					
60 - 65	M		1																			
	F																					
65 +	M																					
	F																					
Totals by State		1	12		32	1	37					3	2							1		
Total all States		88																				
Total Applicants FY2004																		91				3

Board of Electricity Biennial Report for Fiscal Year 2003 and Fiscal Year 2004

Number of Persons Not Taking Examinations Referred to in Clause (h) Who were Licensed or Denied Licenses, With Reasons for Licensing or Denial, by Categories of Age, Sex, and State of Residence, continued

Age	State	Sex	Class A Journeyman – Reciprocal Agreement Licenses Denied																							
			Fiscal Year 2003								Fiscal Year 2004															
			AK	CO	ID	MT	NE	ND	OR	SD	UT	WA	WY	AK	CO	ID	MT	NE	ND	OR	SD	UT	WA	WY		
To 18		M																								
		F																								
18 to 25		M					1			1									2	2						
		F																								
26 to 34		M		1						1						1			4	1						
		F																								
35 to 59		M	1	1	1			1	1	2					3		1				2				1	
		F																								
60 to 65		M																								
		F																								
Over 65		M																								
		F																								
Totals by State			1	2	1			1	1	4					4		1		6	3		4			1	
Total all States			11																							19
Biennium Total			30																							

Clause (m) of Minnesota Statutes Section 214.07:

Number of Licenses Revoked, Suspended, or Otherwise Altered in Status, With Reasons

In Fiscal Year 2003, the Board revoked 18 personal licenses as required by Minnesota Statutes, section 270.72, delinquent taxes.

In Fiscal Year 2003, the Board revoked 5 contractor licenses as required by Minnesota Statutes, section 270.72, delinquent taxes.

In Fiscal Year 2004, the Board revoked 7 personal licenses as required by Minnesota Statutes, section 270.72, delinquent taxes.

In Fiscal Year 2004, the Board did not revoke any contractor licenses as required by Minnesota Statutes, section 270.72, delinquent taxes.

In Fiscal Year 2004, the Board revoked 10 personal licenses as required by Minnesota Statutes, sections 214.101 and 518.551, child support.

In Fiscal Year 2004, the Board revoked 2 contractor licenses as required by Minnesota Statutes, section 268.0625, unemployment benefit overpayment.

In the 2003/2004 Biennium, the Board censured 6 contractor licenses for violation of The Minnesota Electrical Act, Minnesota Statutes, section 326.241 to 326.248 and Minnesota Rules Chapter 3800.

Clause (n) of Minnesota Statutes Section 214.07:

Number of Complaints and Communications Received by Board Member, Staff, or Service Provider

- 1) Which allege or imply a violation of a statute or rule which the Board is empowered to enforce:

There were 754 complaints received and addressed by the Board during Fiscal Year 2003 and 834 complaints received and addressed by the Board during Fiscal Year 2004 for a total of 1,588 for the biennium.

- 2) Which were forwarded to other agencies as required by Section 214.10:

No complaints were forwarded to other agencies during the 2003/2004 Biennium.

Clause (o) of Minnesota Statutes Section 214.07:

Substance of Complaints and Communications Referred to in clause (n) and, For Each Specific Category, the Responses or Dispositions Pursuant to Sections 214.10 or 214.11

Fiscal Year	Number of Complaints	Category of Complaint
FY2003	45	Electrical licensing, perform electrical work without being licensed as required by Minnesota Statutes, section 326.242
	452	Inspection, failure to file a request for electrical inspection as required by Minnesota Statutes, section 326.244
	176	Licensing and inspection, Minnesota Statutes, sections 326.242, 244
	81	Other: tenant complaint, unmarked vehicle, unsupervised worker
Total FY2003	754	
FY2004	122	Electrical licensing, perform electrical work without being licensed as required by Minnesota Statutes, section 326.242
	496	Inspection, failure to file a request for electrical inspection as required by Minnesota Statutes, section 326.244
	185	Licensing and inspection, Minnesota Statutes, sections 326.242, 244
	31	Other: tenant complaint, unmarked vehicle, unsupervised worker
Total FY2004	834	
Biennium Total	1,588	

All complaints resulted in warning/compliance letters addressed to the subject of the complaint.